

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

OATH AND DECLARATION

NAVY CASE NO. 23,425
PAGE 1 OF 1

As a below named inventor, I hereby declare that my residence, past office address and citizenship are as stated below next to my name. I believe I am the original and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention described in the specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as indicated by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim priority benefits under 35 United States Code Section 119 (e) for any provisional application filed below and have also identified below the priority date of filing of the provisional application which is before the filing date of the application for which this priority is claimed.

Prior Provisional Applications

Priority Claimed

Number

Day/Month/Year Filed

Yes No

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign applications for patent or invention's certificate listed below and have also identified below any foreign application for patent or invention's certificate having a filing date before that of the application in which priority is claimed:

Number	Country	Filing Date	Priority (Yes/No)

I hereby claim the benefit under Title 35, United States Code, § 131 of any United States applications listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

U.S. Appl. Serial No.	U.S. Filing Date	Status (pending/pending/abandoned)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the registered practitioner in the office of Associate Counsel, Intellectual Property for Naval Research Laboratory, Washington, DC associated with Customer Number 26384 to prosecute the application and to conduct all business in the Patent and Trademark Office on my behalf, and hereby verify that the Government of the United States has the irrevocable right to prosecute this application. Direct all correspondence to that Customer Number.

SEND CORRESPONDENCE TO:
Associate Counsel (Patents), Code 100A.2
Naval Research Laboratory
Washington, D.C. 20375-5000

DIRECT TELEPHONE CALLS TO:
Attorney Name: JOSEPH T. GRUNKEMETER
Reg. No. 26,746
(202)484-1556

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that without true statements and the facts made are punishable by fine or imprisonment, or both, under Section 1011 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF JOINT INVENTOR 1: MING-JEY YANG

INVENTOR'S SIGNATURE: *Ming-Jey Yang*

DATE: Dec. 16, 2002

RESIDENCE: SILVER SPRING, MD

CITIZENSHIP: USA

POST OFFICE ADDRESS: 13472 Bregman Road, Silver Spring, MD 20904

FULL NAME OF JOINT INVENTOR 2: CHIA-HUNG YANG

INVENTOR'S SIGNATURE: *Chia-Hung Yang*

DATE: Dec. 16, 2002

RESIDENCE: SILVER SPRING, MD

CITIZENSHIP: USA

POST OFFICE ADDRESS: 13472 Bregman Road, Silver Spring, MD 20904